



# State Revolving Fund Loan Programs

## Drinking Water, Wastewater, Nonpoint Source

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### ENVIRONMENTAL ASSESSMENT AND FINDING OF NO SIGNIFICANT IMPACT

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#### CITY OF UNION CITY

#### PRELIMINARY ENGINEERING REPORT ADDENDUM # 2: SEWER & LATERAL EXTENSION, FLOW MONITOR INSTALLATION, BACKUP PUMP ACQUISITION

#### SRF # WW05 58 68 01

**DATE:** March 3, 2009

**TARGET PROJECT APPROVAL DATE:** April 3, 2009

#### I. INTRODUCTION

The above entity has applied to the Clean Water State Revolving Loan Fund (SRF) for a loan to finance all or part of the wastewater project described in the accompanying Environmental Assessment (EA). As part of facilities planning requirements, an environmental review has been completed which addresses the project's impacts on the natural and human environment. This review is summarized in the attached EA.

#### II. PRELIMINARY FINDING OF NO SIGNIFICANT IMPACT (FNSI)

The SRF Clean Water Program has evaluated all pertinent environmental information regarding the proposed project and determined that an Environmental Impact Statement is not necessary. Subject to responses received during the 30-day public comment period, and pursuant to Indiana Code 4-4-11, it is our preliminary finding that the construction and operation of the proposed facilities will result in no significant adverse environmental impact. In the absence of significant comments, the attached EA shall serve as the final environmental document.

#### III. COMMENTS

All interested parties may comment upon the EA/FNSI. Comments must be received at the address below by the deadline date above. Significant comments may prompt a reevaluation of the preliminary FNSI; if appropriate, a new FNSI will be issued for another 30-day public comment period. A final decision to proceed, or not to proceed, with the proposed project shall be effected by finalizing, or not finalizing, the FNSI as appropriate. Comments regarding this document should be sent within 30 days to:

Max Henschen  
Senior Environmental Manager  
State Revolving Fund -- IGCN 1275  
100 N. Senate Ave.  
Indianapolis, IN 46204  
317-232-8623

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## ENVIRONMENTAL ASSESSMENT

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### I. PROJECT IDENTIFICATION

Project Name and Address:	City of Union City PER Addendum #2: Various Projects 105 N. Columbia Street Union City, IN 47390
SRF Project Number:	WW05 58 68 01
Authorized Representative:	Bryan Conklin, Mayor

### II. PROJECT LOCATION

Union City is located between State Road 28 and State Road 32 on the Indiana-Ohio state line in Wayne Township, Randolph County. The project area is in the Indiana side of Union City, T18N, R1W. Project areas 2 and 5 are in the SW  $\frac{1}{4}$  of Section 24; Project Area 1 is in the SW  $\frac{1}{4}$  of the NW  $\frac{1}{4}$  of section 25; and Project Area 4 is in the SE  $\frac{1}{4}$  of Section 25, all in the Union City, Ind.-Ohio USGS Quadrangle. See Figure 1. Although the area of a Project 3 is shown on Figure 1, that project has been dropped from consideration for SRF funding.

### III. PROJECT NEED AND PURPOSE

Project 1, Division Street-Mitchell Avenue Utility Extension is needed to serve a platted residential development.

Project 2 will replace an inaccurate effluent flow meter at the wastewater treatment plant. This replacement will allow the city to accurately measure effluent flows to help design a new wastewater treatment plant.

Project 4 will replace a residential sewer lateral in South Street that has collapsed.

Project 5 will address the need to monitor influent flows to help design an expanded wastewater treatment plant.

Project 6 will address the need for a portable submersible pump in case of power outages at any of the city's pump stations.

#### IV. PROJECTS DESCRIPTION

Project 1, The Division Street-Mitchell Avenue Utility Extension, will extend an existing sanitary sewer to serve a platted 7.5 acre residential development.

Project 2, Replacement of an effluent flow meter at the existing wastewater treatment plant, will eliminate flow metering inaccuracies that is currently being recorded by the existing device. This replacement will allow the city to accurately measure effluent flows to properly address the needs for a planned wastewater treatment plant improvement project.

*(Project 3 omitted from SRF funding consideration)*

Project 4, South Street Residential Lateral Rerouting, will replace and reroute a collapsed residential service lateral line at the northeast corner of the intersection of South and Walnut Streets as shown on Figure 2.

Project 5, WWTP Influent Flow Monitoring, will install flow meters in four manholes upstream of the WWTP for a period of 4 months to collect influent flow data that will assist in the proper design of WWTP improvements.

Project 6, Purchase of a 20-hp back-up submersible pump for various pump stations: The city will use the pump at various pump stations in Union City during emergency situations.

#### V. ESTIMATED PROJECT COSTS, AFFORDABILITY AND FUNDING

##### A. Selected Plan Estimated Cost Summary

###### Construction Costs:

a. Division-Mitchell Utility Extensions	\$ 20,348
b. WWTP Effluent Flow Meter	6,800
c. South Walnut Street Service Lateral	13,951
d. Influent Temporary Flow Monitoring	11,340
e. Back-up submersible pump	<u>8,023</u>
Subtotal	\$80,810
Contingency	<u>\$16,162</u>
Construction Cost Subtotal	<b>\$96,972</b>

###### Non-Construction Costs

Design Engineering	\$22,000
Construction Inspection	10,000
Archaeological Survey	765
Administration, Legal, etc.	<u>8,000</u>
Non-Construction Cost Subtotal	<b><u>\$40,765</u></b>

**Total Estimated Project Cost                      \$137,737**

**B. Union City will use the balance of \$144,902 from the existing SRF loan to fund these projects and will then close out the loan.**

## VI. DESCRIPTION OF EVALUATED ALTERNATIVES

**No Action:** The no-action alternative for these projects was rejected. In each case, the no action alternative would not resolve the needs to replace a collapsed pipe, to monitor flows, or provide service to a platted development, or provide emergency power to pump stations.

**Selected Plan:** The proposed projects will address the various needs as stated in Section III.

## VII. ENVIRONMENTAL IMPACTS OF THE FEASIBLE ALTERNATIVES

### A. Direct Impacts of Construction and Operation

**Undisturbed/Disturbed Land:** Only Project 1 will affect land suitable to contain archaeological materials. The city implemented a reconnaissance level archaeology survey on that site; the survey did not find significant archaeological materials.

**Structural Resources** (Figure 3): The proposed projects will not affect historic sites or districts. Audible, atmospheric or visual effects of the projects will be temporary. The SRF's finding pursuant to Section 106 of the National Historic Preservation Act is: "no historic properties affected."

**Wetlands** (Figure 4) **and Surface Water:** The proposed projects will not adversely affect surface waters or wetlands. There are no stream crossings associated with the projects.

**100-Year Floodplain:** The proposed projects will not have any adverse affect on the 100-year floodplain.

**Groundwater:** The proposed projects will not negatively affect a sole source aquifer or other groundwater resources.

**Plants and Animals:** The proposed projects will not affect endangered species; no trees will be removed to implement these projects.

**Prime Farmland** (Figure 4): Only the Division-Mitchell Avenue project to install new sewer lines will affect farmland. That project will indirectly convert 7.5 acres of prime/unique farmland and will not directly convert any prime farmland acreage.

**Air Quality:** Air quality will be temporarily impacted by construction activities, including vehicle exhaust and dust.

**Open Space and Recreational Opportunities:** The proposed projects' construction and operation will neither create nor destroy open space and recreational opportunities.

The proposed projects will not affect National Natural Landmarks or the Lake Michigan Coastal Zone.



## **B. Indirect Impacts**

The city's Preliminary Engineering Report (PER) states: *The City, through the authority of its mayor and city council, will ensure that future development, as well as future collection system or treatment works projects connecting to SRF funded facilities, will not adversely impact wetlands, forested areas, steep slopes, 100-year floodplains, archaeological/historical/structural resources, wetlands, or other sensitive environmental resources. [The city] will require new development and treatment works projects to be constructed within the guidelines of the U.S. Fish and Wildlife Service, IDNR, IDEM, and other environmental review authorities.*

## **C. Comments from Environmental Review Authorities**

This document serves as the first notice to the U.S. Fish and Wildlife Service, and the IDNR Environmental Unit.

The IDNR Division of Historic Preservation and Archaeology, in correspondence dated November 12, 2008, stated: *Based on our analysis, it has been determined that no historic structures will be altered, demolished, or removed by the proposed project. We concur with the archaeological report that no further archaeological investigations are necessary. If any archaeological artifacts, features, or human remains are uncovered during construction, state law (Indiana Code 14-21-1-27 & 29) requires that the discovery must be reported to the Department of Natural Resources within two (2) business days.*

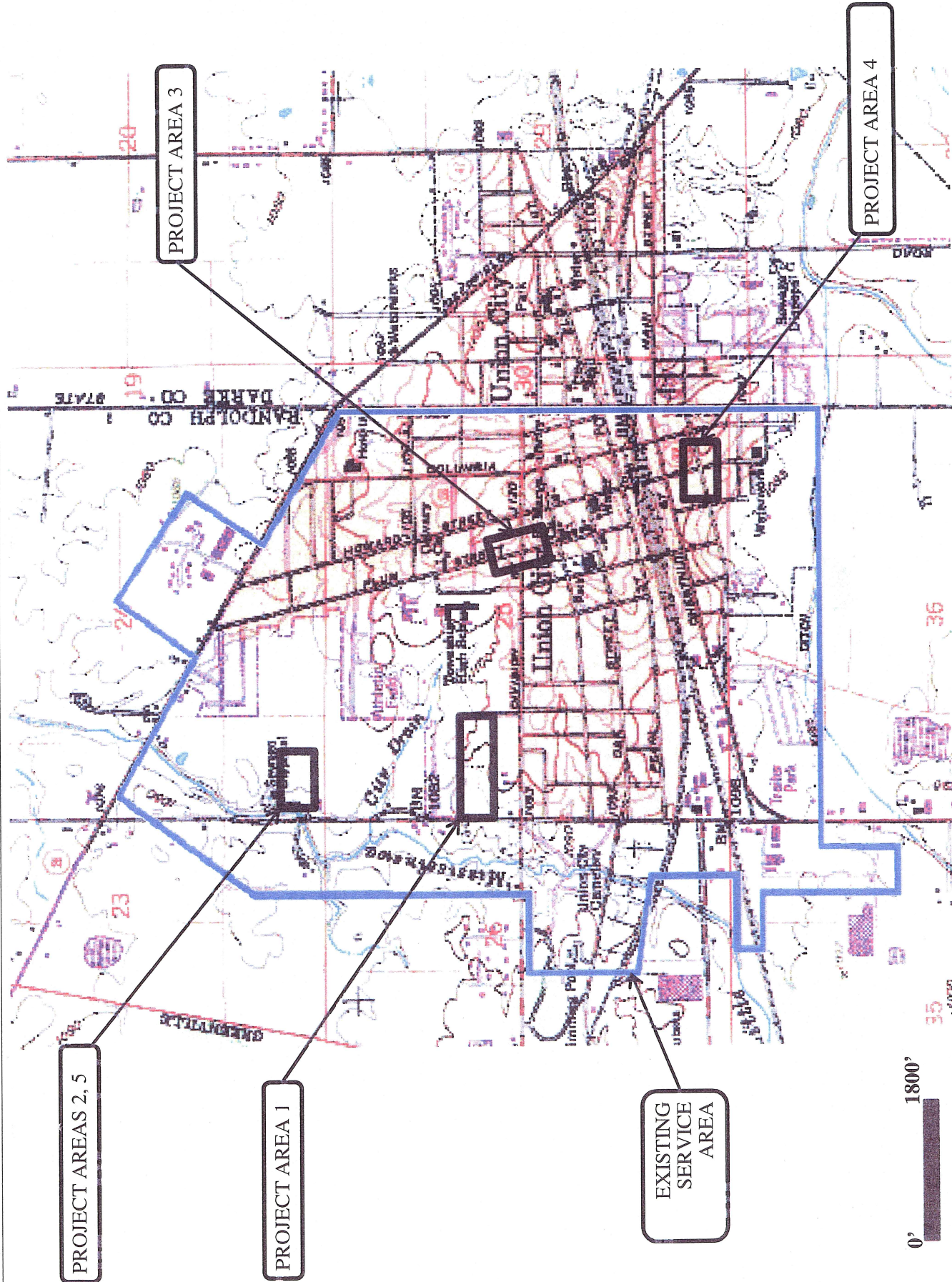
The Natural Resources Conservation Service, in correspondence dated June 17, 2008, stated that the realigned route *will cause a conversion of prime farmland.*

## **VIII. MITIGATION MEASURES**

The city's PER states: *The construction and operation of the project will not negatively impact state or federal-listed endangered species or their habitat. The project will be implemented to minimize impact to non-endangered species and their habitat. Mitigation measures suggested by the Indiana Department of Natural Resources and the U.S. Fish and Wildlife Service will be implemented. Construction specifications will require that proper control measures be utilized to control storm water runoff and erosion from all construction sites.*

## **IX. PUBLIC PARTICIPATION**

A properly noticed Public Hearing was held on October 13, 2008 at 6:00 pm in the City Community Room at 103 North Columbia Street. There were no objections to the project at the public hearing. There were no adverse written comments received by the utility during the 5-day comment period following the public hearing.



DATE	DRAWN BY
07/21/08	JNY
PROJECT NUMBER	119508.03-04
DRAWING TITLE	PROJECT AREA

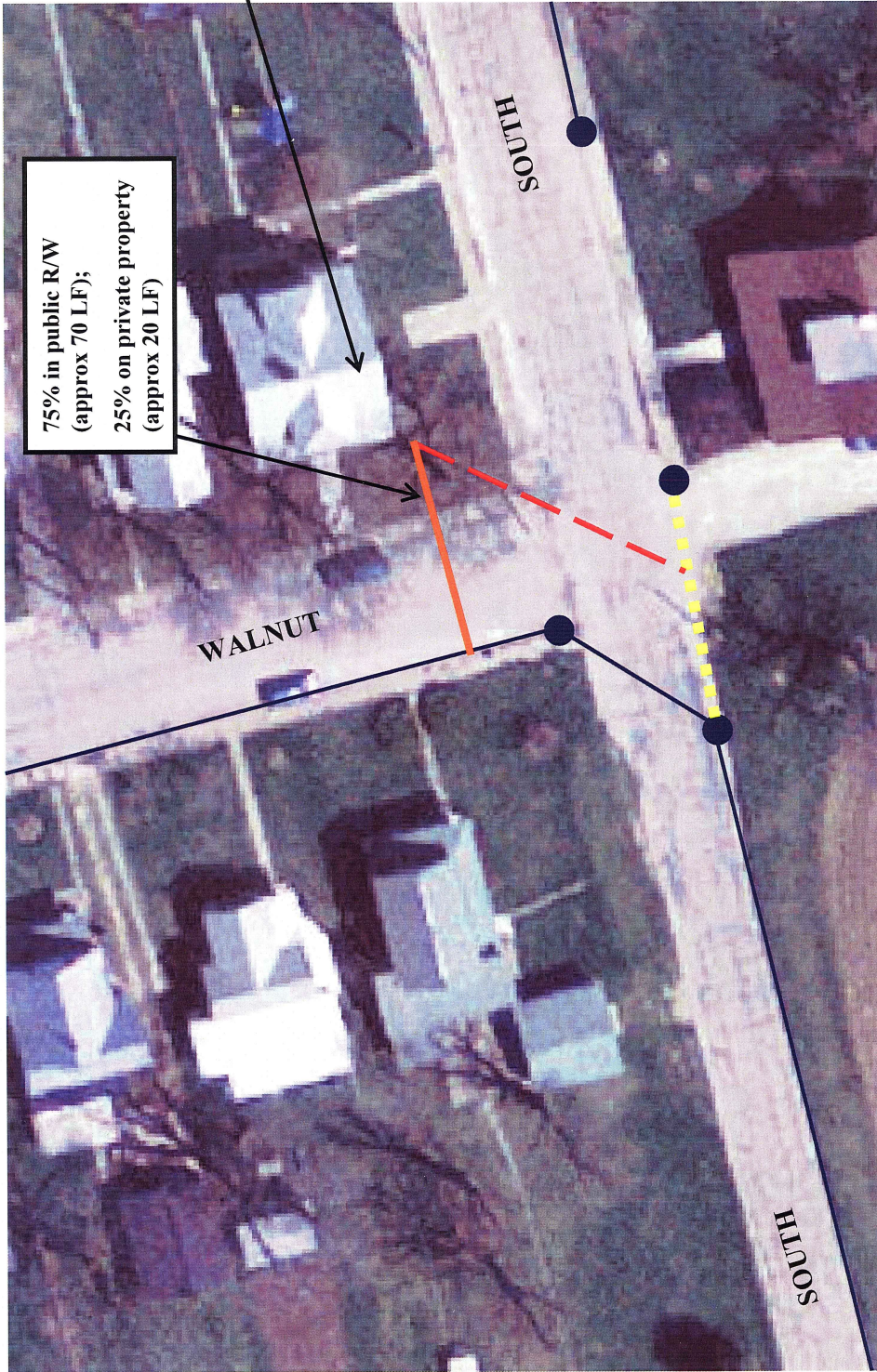
**WESSLER ASSOCIATES**  
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Phone: 317-584-4551 • Fax: 317-584-4553  
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PROJECT LOCATION MAP

**FIGURE 1**

DIVISION - MITCHELL UTILITY EXTENSIONS &  
MISC. SANITARY SEWER IMPROVEMENTS  
UNION CITY, INDIANA





**Legend**

Existing Sanitary Sewer

Existing Sanitary Manhole

Abandoned Sanitary Sewer

Abandoned Lateral Connection

New Lateral Connection

DATE 10/2/08

PROJECT NUMBER

119508.03-04

DRAWING TITLE

SOUTH ST. IMPROVEMENTS

**WESSLER ASSOCIATES**  
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www.mdwessler.com

PROJECT 4 - SOUTH ST. LATERAL REROUTING - IMPROVEMENTS DETAIL MAP

**FIGURE 2**

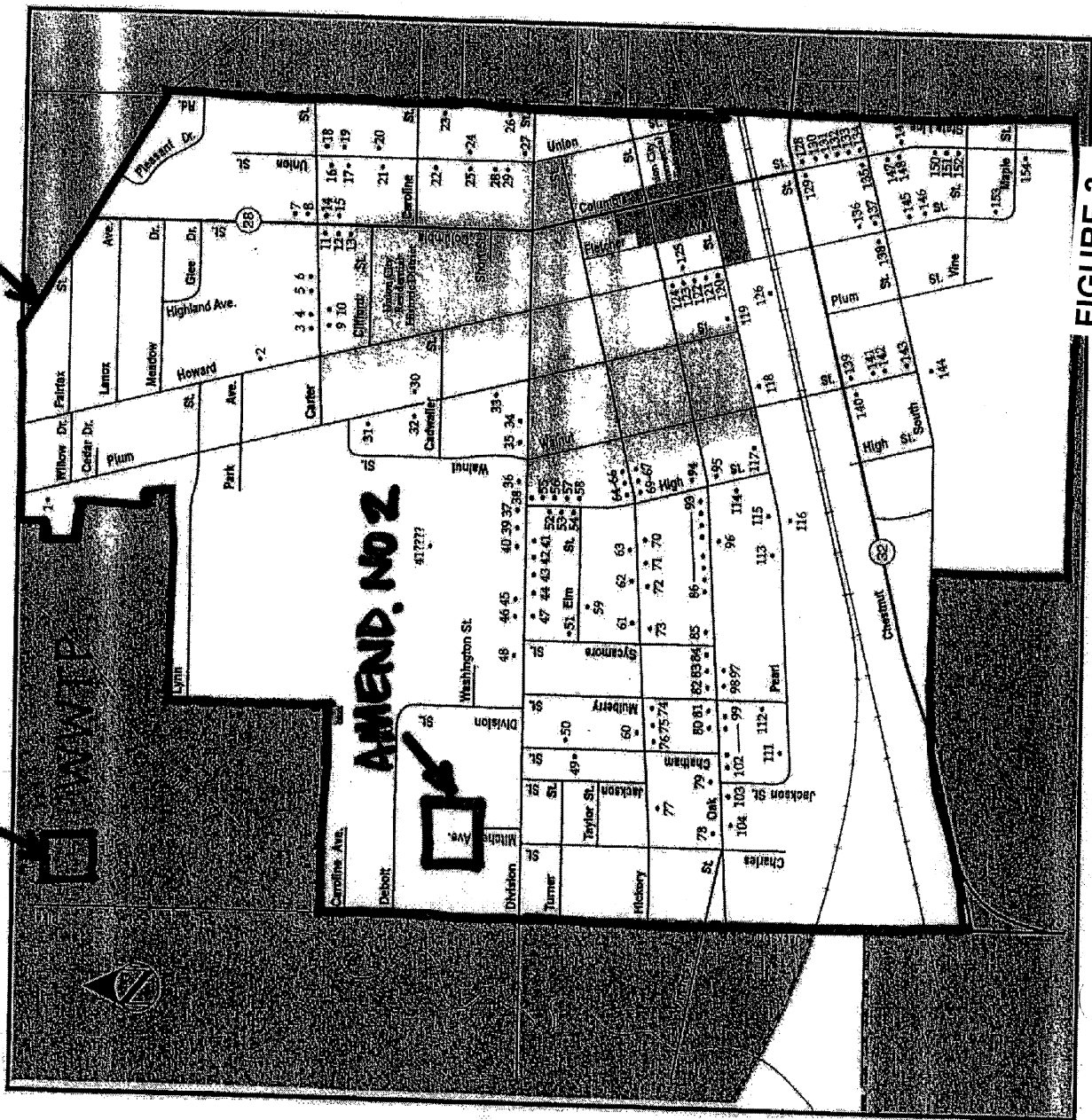
DIVISION-MITCHELL UTILITY EXTENSIONS &  
MISC. SANITARY SEWER IMPROVEMENTS  
UNION CITY, INDIANA



# Union City Scattered Sites (38001-154)

PHASE II WWTP IMPROVEMENTS

PHASE I COLLECTION SYSTEM IMPROVEMENTS



Union City Scattered Sites (38001-154)	
No. Rtg.	Description
001 C	House, 1211 N. Plum Street; Gabled-ell, c.1910; <i>Architecture</i> (636)
002 C	House, 914 N. Howard Street; T-plan, c.1890; <i>Architecture</i> (636)
003 C	House, 354 W. Carter Street; Bungalow, c.1915; <i>Architecture</i> (636)
004 C	House, 350 W. Carter Street; Bungalow, c.1915; <i>Architecture</i> (636)
005 C	House, 342 W. Carter Street; Queen Anne Cottage, c.1900; <i>Architecture</i> (636)
006 C	House, 336 W. Carter Street; Queen Anne Cottage, c.1900; <i>Architecture</i> (636)
007 C	House, 804 N. Columbia Street; Bungalow, c.1920; <i>Architecture</i> (636)
008 C	House, 800 N. Columbia Street; Craftsman, c.1915; <i>Architecture</i> (636)
009 C	House, 339 W. Carter Street; T-plan, c.1910; <i>Architecture</i> (636)
010 C	House, 327 W. Carter Street; Bungalow, c.1920; <i>Architecture</i> (636)
011 C	House, 733-735 N. Columbia Street; American four-square, c.1910; <i>Architecture</i> (636)
012 C	House, 719 N. Columbia Street; Colonial Revival, c.1915; <i>Architecture</i> (636)
013 N	House, 713 N. Columbia Street; Gabled-ell/Italianate, c.1885; <i>Architecture</i> (636)
014 C	House, 740 N. Columbia Street; Gable-front, c.1870; <i>Architecture</i> (636)
015 C	House, 750 N. Columbia Street; Italianate, c.1890; <i>Architecture</i> (636)
016 C	House, N. Union Street; Hall-and-parlor, c.1870; <i>Architecture</i> (636)

FIGURE 3



PROJECT  
AREA



Legend

Wetlands:



DATE	DRAWN BY
07/2/08	JNY
PROJECT NUMBER	119508.03-04
DRAWING TITLE	WETLANDS MAP

WETLANDS LOCATION MAP

**FIGURE 4**

DIVISION-MITCHELL UTILITY EXTENSIONS &  
MISC. SANITARY SEWER IMPROVEMENTS  
UNION CITY, INDIANA

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&  
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